



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

The catalogues of the works on Geology, Entomology, and General Natural History have been carefully revised, and the entries in the first named, numbering 1902 titles exclusive of cross-references, have been arranged in alphabetical order, ready for transcribing. 538 Geological pamphlets have been indexed and bound in 31 volumes; and 164 pamphlets on General Natural History have been arranged in 12 volumes.

In the department of Journals and Periodicals the cases and shelves have been numbered, and the position of each work indicated on a new catalogue, which has been completed and is herewith presented. The numbers are merely provisional, as the amount of shelf room in this section of the library is entirely too small to permit of a proper display of the volumes. Whilst the old arrangement in this department has not been altered, it is yet hoped that the reference to the case and shelf will facilitate the finding of Journals, which, in the mere geographical classification, might readily be overlooked. The entries in this catalogue number 763.

The library has been kept open in the evenings until 10 o'clock since the 2d of last April. The attendance of members has been small, but the additional time at the disposal of the librarian has given him an opportunity of finishing much of the work above reported, the greater part of which would be still incomplete had his attendance been confined to the morning hours, as formerly.

All of which is respectfully submitted,

EDWARD J. NOLAN, *Librarian*.

REPORT OF THE CURATORS.

But little change has been made in the Museum of the Academy towards the arrangement in general of its collections since the presentation of the last annual report. Under the voluntary and assiduous labor of the committee of arrangement of the Conchological Section, the conchological cabinet has been completely arranged and labelled, and may now be regarded as in better condition than any other collection of the Museum. For a special account of that cabinet, and the additions made to it during the year, we refer to the Report of the Conservator of the Conchological Section.

The Curators regret to state that several of the collections of

the Museum have recently suffered from the depredations of a thief, but are also pleased to add that the latter has been apprehended, and it is believed that all the stolen articles have been recovered.

The contributions towards the Museum during the year are as follows:—

Mammals.—A Porpoise, from the Delaware River, was presented by Dr. H. C. Chapman. An Ant-eater, a Sloth, an Oposum, and a Howling Monkey, from Guinea, were presented by Capt. R. S. Henwood; and three monkeys from the same country were presented by Mr. Frank Guckert. As a donation from the Smithsonian Institution we received a collection of American Muridæ, consisting of a box of skins and two jars of specimens in alcohol. Mr. Nathaniel H. Bishop presented two specimens, male and female, of *Spermophilus Franklinii*, caught in Ocean Co., New Jersey; and Dr. L. Fussel presented a Black Rat, *Mus rattus*, caught near Philadelphia.

Birds.—Five skins of Toucans, from Guinea, were presented by Mr. F. Guckert. Specimens of a recently described variety of *Buteo borealis*, called Krider's Hawk, male and female, were presented by Mr. John Krider. The nest of the common Humming-bird, was presented by Col. F. M. Etting.

Reptiles, Batrachians, and Fishes.—A collection of reptiles and fishes, contained in 21 jars, from the Viti Isles, was presented by Andrew J. Garrett. Another collection, in 12 jars, from Wyoming, was presented by Prof. E. D. Cope. Others were presented as follows: A collection of reptiles, in 6 jars, from Venezuela, by L. M. Davis; the skin of a large serpent, two other snakes and a lizard, from Guinea, by F. Guckert; 3 jars of fishes, from Wyoming, by Dr. Leidy; 2 fishes and a snake, from Peru, by Thomas M. Cleemann; an Amblystoma, from Utah, by Dr. H. C. Chapman; and a Grayling, from Michigan, by Mr. Thaddeus Norris.

Osteological Specimens.—Skeletons of a Capybara, a Kangaroo, a Fisher, a Pine Martin, an American Badger, and a Black Spider Monkey were purchased for the Museum. Nine skeletons of birds, from St. Paul's Island, Alaska, from the Elliot collection, were donated by the Smithsonian Institution. Skulls of a Crocodile and a Tapir, and the hyoid of a Howler, from Guiana, were presented by F. Guckert. A fine large skull of the Rocky Mountain

Sheep was presented by Joseph Jeanes and Isaac Lea. There were also donated two skulls of Mound-builders, from Ohio, by Messrs. Walter Brown and Cyrus B. Haldeman, and the skull of a Samoan Islander, by Dr. H. C. Eckstein, U. S. N.

Mollusks.—See Report of the Conservator of the Conchological Section.

Articulates and Radiates —A collection comprising many corals and echinoderms, from the South Pacific, was presented by Dr. H. C. Eckstein. A collection of crustaceans and a coral, from the Viti Isles, were presented by A. J. Garrett. Two species of centipeds and a spider were presented by Mrs. Williams; several scolopendræ and beetles, from Guiana, by F. Guckert; and a Gorgonia, by Mr. Neville.

Fossils.—A collection of well-preserved remains of Uintatherium and bituminous shales with fishes and shells, from the tertiary formations of Wyoming, were presented by Joseph Jeanes and Isaac Lea. Numerous remains of Palæosyops, Hyrachyus, Uintatherium, Emys, Testudo, Trionyx, etc., obtained from the tertiary beds in the vicinity of Fort Bridger, Wyoming, were collected, on account of the Academy, during the last summer, by Dr. J. Van A. Carter and Dr. Leidy, part of the expense of the expedition having been defrayed by Joseph Jeanes and Isaac Lea.

Small collections of fossils were presented as follows: Some vertebrate remains from the Ashley River phosphate beds, by Thomas Sinnickson; some palæozoic fossils, from Madison, Indiana, by M. A. Gavitt; miscellaneous fossils, by C. S. Bement; Mosasauroid remains, from the Santee Agency, by Dr. George Roberts; several fossils from New South Wales, by Dr. H. C. Eckstein and Mr. P. F. Adams; some shark teeth, from Mt. Holly, N. J., by Dr. Francis Ashhurst; teeth of the elephant, from New Mexico, by Mr. Richard Peters, and several shells, from Virginia, by S. Powel.

Plants.—A collection from the Dall Exploring Expedition in Alaska, and another of Malaccan plants, from Kew Garden, Eng., were presented by Prof. Asa Gray. One hundred species of plants of Utah, collected by A. L. Siler, were presented by Thomas Meehan. Specimens of the mistletoe of *Pinus ponderosa* of Colorado were presented by Prof. Cope.

Minerals.—Many choice specimens, all appropriate for the cabinet, were presented, as follows: Sixty-one from Clarence S.

Bement; forty-one from Joseph Jeanes; fifteen from Wm. S. Vaux; three from Messrs. Vaux and Bement; twenty from Joseph Willcox; two by Homer Pennock; eight by Dr. H. C. Eckstein, U. S. N.; two by Dr. F. V. Hayden; two by Dr. J. Van A. Carter; six by John R. Harvey; one by Thomas Sinnickson; and one by Dr. Leidy.

A remarkably fine specimen of opalized wood, consisting of the segment of a tree, about one foot in length and eight inches in diameter, was presented by Mr. Michael Mohler, of Nevada City, California. A mass of galena, weighing upwards of 600 lbs., was presented by the Asbury M. E. Sunday School of Dubuque Co., Iowa.

Other minerals were presented by Messrs. P. P. Peck, P. F. Adams, G. C. Hewett, and Charles Weston.

Miscellaneous Specimens.—A curious stone relic, from Butler Co., Pa., was presented by Dr. J. C. McKee, U. S. A. A jar containing a collection of small vertebrates and some invertebrates, from the Isle Redowda, W. I., was presented by Dr. R. E. Van Riggersma. Several interesting objects were donated by Mr. T. G. Gentry; and a large Hornet nest, from New Jersey, was received from John Tatem.

Respectfully submitted by

JOSEPH LEIDY,
Chairman of Curators.

REPORT OF RECORDER OF BIOLOGICAL AND MICROSCOPICAL SECTION.

Adopted December 1st, 1873, and forwarded to the Academy of Natural Sciences as the Report of the Section for the current year.

In presenting our Annual Report for the year 1873, I think we have again great reason to congratulate ourselves upon the amount of original observation and experiments which has been brought forward by our members, placed on record in our proceedings, and given to the world, chiefly in the columns of the *Philadelphia Medical Times*. For whilst it is true that a smaller number of elaborately prepared essays have been laid before us the past twelve months than in former years, there has, undoubtedly, been elicited in our discussions a much larger amount and variety of that individual opinion and experience which form the essential